	A	C	D	E	F	G	H	I	K	L	M	N	P	Q	R	S	T	V	W	Y
1:Q	0.88%	0.06%	0.80%	6.32%	0.05%	0.88%	5.34%	0.18%	6.36%	7.54%	0.69%	0.72%	7.10%	52.11%	7.88%	0.58%	0.88%	0.87%	0.41%	0.36%
2:V	6.40%	0.06%	0.40%	4.89%	0.03%	4.53%	0.03%	4.24%	1.02%	10.42%	6.95%	0.11%	0.56%	0.25%	1.02%	0.60%	1.70%	56.05%	0.10%	0.01%
3:Q	0.24%	0.17%	0.62%	2.13%	0.12%	0.37%	13.08%	0.28%	7.34%	4.61%	0.22%	1.95%	3.81%	55.09%	7.38%	0.60%	0.73%	0.29%	0.61%	0.34%
4:L	1.63%	0.05%	0.08%	0.93%	1.27%	0.84%	0.09%	1.56%	0.82%	59.51%	6.79%	0.07%	3.16%	1.06%	2.44%	2.25%	1.20%	15.67%	0.58%	0.01%
5:V	6.12%	0.05%	0.44%	4.73%	0.54%	4.58%	0.04%	3.81%	1.02%	10.83%	6.82%	0.11%	0.74%	0.35%	1.01%	0.55%	1.84%	56.34%	0.08%	0.01%
6:Q	0.51%	0.09%	0.31%	1.49%	0.10%	0.52%	8.12%	0.12%	4.88%	11.68%	0.52%	1.00%	7.71%	49.86%	8.69%	1.04%	0.82%	0.78%	1.54%	0.20%
7:S	2.67%	3.22%	0.07%	0.01%	0.14%	0.11%	0.15%	0.01%	0.69%	0.01%	0.08%	6.31%	0.01%	0.22%	79.21%	2.71%	0.18%	0.15%	0.15%	0.88%
8:G	1.01%	0.02%	0.20%	4.36%	0.00%	87.39%	0.01%	0.01%	0.18%	0.13%	0.07%	0.01%	0.06%	0.15%	3.89%	0.09%	0.13%	1.09%	1.19%	0.00%
9:A	52.28%	0.13%	0.62%	0.09%	0.16%	1.65%	0.15%	0.82%	0.02%	0.47%	0.02%	0.26%	12.21%	0.02%	0.26%	5.50%	23.57%	1.72%	0.00%	0.05%
10:E	4.25%	0.03%	9.36%	61.32%	0.03%	8.75%	0.65%	0.10%	4.08%	0.49%	0.27%	0.66%	0.58%	4.89%	0.90%	0.29%	0.82%	2.26%	0.08%	0.18%
11:V	7.44%	0.02%	0.50%	6.11%	0.23%	5.99%	0.02%	1.99%	0.66%	10.70%	9.10%	0.06%	0.39%	0.17%	0.79%	0.54%	1.27%	53.83%	0.21%	0.01%
12:K	0.79%	0.02%	0.59%	6.32%	0.07%	1.33%	0.29%	1.23%	48.84%	0.73%	6.86%	2.80%	0.38%	4.61%	15.73%	0.80%	7.56%	0.74%	0.33%	0.04%
13:K	0.71%	0.01%	0.40%	6.79%	0.01%	1.78%	0.13%	0.69%	53.06%	0.66%	6.19%	1.51%	0.33%	3.73%	15.81%	0.59%	6.47%	0.71%	0.38%	0.07%
14:P	5.42%	0.54%	0.08%	0.03%	0.52%	0.17%	0.59%	0.29%	0.06%	1.82%	0.03%	0.20%	66.00%	0.11%	1.39%	14.70%	7.49%	0.37%	0.07%	0.12%
15:G	0.68%	0.02%	0.13%	3.09%	0.00%	89.53%	0.01%	0.01%	0.15%	0.10%	0.06%	0.01%	0.04%	0.11%	3.98%	0.08%	0.09%	0.77%	1.16%	0.00%
16:A	87.86%	0.01%	1.57%	0.09%	0.02%	1.31%	0.03%	0.12%	0.02%	0.05%	0.01%	0.01%	1.99%	0.00%	0.02%	1.21%	3.57%	1.98%	0.00%	0.00%
17:S	2.02%	0.31%	0.03%	0.16%	0.40%	0.08%	0.02%	0.09%	0.02%	3.05%	0.01%	0.01%	8.29%	0.07%	0.19%	83.23%	1.66%	0.09%	0.16%	0.11%
18:V	3.90%	0.01%	0.35%	4.13%	0.19%	3.88%	0.02%	1.51%	0.34%	13.11%	6.68%	0.03%	0.52%	0.27%	0.55%	0.71%	0.71%	63.42%	0.09%	0.00%
19:K	0.48%	0.03%	0.84%	7.34%	0.02%	0.76%	0.51%	0.69%	63.91%	0.26%	1.17%	6.41%	0.26%	5.24%	6.00%	1.30%	4.36%	0.21%	0.12%	0.08%
20:V	11.30%	0.04%	4.58%	0.34%	0.47%	5.31%	0.05%	1.65%	0.06%	1.47%	0.26%	0.16%	0.18%	0.01%	0.08%	0.25%	0.49%	73.28%	0.01%	0.03%
21:S	4.01%	2.44%	0.18%	0.01%	2.66%	0.18%	0.39%	0.12%	0.02%	1.36%	0.01%	0.16%	10.83%	0.03%	0.31%	73.36%	1.79%	0.34%	0.18%	1.64%
22:C	0.43%	54.38%	1.11%	0.07%	3.76%	3.42%	2.14%	0.12%	0.11%	1.70%	0.01%	0.90%	0.90%	0.12%	3.22%	10.32%	0.26%	0.21%	5.38%	11.45%
23:K	2.16%	0.02%	0.26%	7.68%	0.01%	1.53%	0.14%	0.32%	40.07%	0.95%	5.06%	1.08%	1.74%	4.58%	15.17%	1.31%	16.60%	0.85%	0.43%	0.03%
24:A	43.49%	0.18%	1.35%	0.13%	0.20%	1.77%	0.17%	1.00%	0.06%	0.41%	0.04%	0.56%	12.27%	0.01%	0.21%	7.97%	28.45%	1.65%	0.01%	0.09%
25:S	2.93%	13.07%	0.32%	0.03%	10.80%	0.40%	0.49%	0.32%	0.02%	2.64%	0.01%	0.26%	4.93%	0.05%	0.48%	57.92%	1.24%	0.64%	0.64%	2.79%
26:G	5.86%	0.07%	3.60%	12.06%	0.06%	63.98%	0.17%	0.43%	0.83%	0.55%	0.05%	0.24%	0.47%	6.78%	0.62%	1.20%	2.28%	0.05%	0.06%	0.06%
27:Y	0.68%	9.44%	10.51%	1.00%	7.65%	1.70%	13.81%	1.01%	1.29%	2.85%	0.06%	9.40%	1.19%	0.93%	2.33%	9.46%	0.92%	0.70%	0.34%	24.75%
28:T	11.58%	0.35%	0.46%	0.05%	0.60%	0.60%	0.21%	5.69%	0.43%	0.68%	0.70%	1.90%	8.35%	0.02%	0.97%	54.86%	1.44%	0.03%	0.03%	0.21%
29:F	0.24%	4.52%	0.11%	0.01%	58.83%	0.19%	0.29%	0.96%	0.01%	23.80%	0.09%	0.08%	1.09%	0.04%	0.40%	5.20%	0.11%	2.57%	0.24%	1.21%
30:T	8.84%	0.27%	0.54%	0.03%	0.43%	0.70%	0.20%	4.77%	0.25%	0.64%	0.14%	1.77%	6.67%	0.01%	0.76%	9.19%	63.16%	1.48%	0.01%	0.13%
31:X	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
32:X	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
33:Y	0.39%	12.79%	3.51%	0.22%	9.00%	0.66%	11.14%	0.37%	0.70%	3.69%	0.03%	4.54%	1.31%	0.62%	1.56%	11.39%	0.66%	0.26%	0.73%	36.44%
34:Y	0.56%	12.94%	3.14%	0.45%	14.29%	0.59%	7.99%	0.51%	0.34%	3.92%	0.03%	3.32%	1.76%	0.71%	1.32%	17.70%	0.82%	0.38%	0.73%	28.49%
35:M	1.95%	0.19%	0.14%	0.89%	4.22%	1.06%	0.09%	15.65%	1.78%	28.32%	14.66%	0.29%	2.56%	0.50%	3.20%	2.48%	6.63%	14.79%	0.58%	0.04%
36:H	0.91%	0.86%	3.44%	0.40%	1.04%	0.44%	42.03%	0.75%	2.23%	7.06%	0.13%	7.08%	9.47%	8.12%	8.17%	2.48%	1.57%	0.85%	0.14%	2.84%
37:W	0.06%	5.46%	0.03%	0.11%	0.22%	5.60%	0.05%	0.01%	0.03%	1.22%	0.02%	0.02%	0.12%	0.07%	7.78%	1.69%	0.04%	0.06%	77.06%	0.35%
38:V	5.72%	0.01%	0.36%	4.20%	0.25%	4.65%	0.04%	1.95%	0.94%	10.37%	6.22%	0.09%	1.01%	0.51%	0.86%	0.62%	1.54%	60.57%	0.07%	0.01%
39:R	0.08%	0.78%	0.02%	0.13%	0.02%	1.82%	0.58%	0.03%	0.36%	0.72%	0.01%	0.08%	2.27%	1.40%	89.05%	0.49%	0.11%	0.04%	1.98%	0.02%
40:Q	0.11%	0.00%	0.04%	1.55%	0.00%	0.17%	1.24%	0.01%	1.24%	2.12%	0.04%	0.07%	3.46%	82.59%	6.93%	0.13%	0.09%	0.07%	0.11%	0.02%
41:A	86.86%	0.04%	0.76%	0.31%	0.04%	2.35%	0.02%	0.14%	0.03%	0.04%	0.01%	0.09%	1.41%	0.00%	0.05%	1.40%	4.09%	2.34%	0.00%	0.02%
42:P	0.98%	0.02%	0.05%	0.01%	0.04%	0.09%	1.05%	0.09%	0.01%	2.90%	0.01%	0.04%	87.33%	0.32%	2.07%	2.96%	1.73%	0.13%	0.01%	0.03%
43:G	1.25%	0.10%	0.49%	3.11%	0.01%	83.85%	0.03%	0.09%	0.20%	0.09%	0.01%	0.01%	0.13%	0.11%	9.18%	0.52%	0.24%	0.51%	0.04%	0.01%
44:Q	0.16%	0.11%	0.63%	1.56%	0.10%	0.24%	25.65%	0.22%	1.08%	4.98%	0.02%	1.49%	5.24%	47.95%	8.96%	0.53%	0.30%	0.26%	0.02%	0.50%
45:G	1.01%	0.25%	0.99%	3.02%	0.01%	87.94%	0.03%	0.11%	0.05%	0.10%	0.05%	0.04%	0.06%	0.08%	4.01%	0.68%	0.13%	0.93%	0.52%	0.01%
46:L	0.24%	0.12%	0.06%	0.02%	2.68%	0.05%	1.36%	1.86%	0.01%	72.11%	0.06%	0.08%	15.22%	0.25%	1.89%	0.56%	0.38%	2.99%	0.01%	0.04%
47:E	4.83%	0.03%	17.97%	51.89%	0.05%	8.86%	0.65%	0.13%	4.47%	0.55%	0.36%	0.65%	0.53%	4.11%	0.85%	0.34%	0.90%	2.60%	0.08%	0.17%
48:W	0.30%	8.49%	0.15%	0.54%	0.51%	5.19%	0.15%	0.01%	0.52%	2.36%	0.19%	0.11%	0.31%	0.18%	10.77%	4.36%	0.32%	0.37%	64.35%	0.77%
49:M	2.10%	0.01%	0.04%	1.26%	0.12%	0.96%	0.01%	4.00%	5.45%	14.25%	38.65%	0.12%	0.95%	0.56%	6.02%	0.61%	8.62%	16.11%	0.15%	0.00%
50:G	9.60%	0.10%	4.86%	17.98%	0.06%	46.87%	0.17%	0.85%	1.89%	0.79%	0.14%	0.47%	0.95%	0.55%	8.19%	1.24%	2.21%	2.92%	0.09%	0.05%
51:W	0.23%	6.62%	0.20%	0.50%	0.68%	7.45%	0.49%	0.08%	0.28%	4.02%	0.15%	0.19%	0.75%	0.58%	15.50%	4.81%	0.22%	0.39%	55.71%	1.17%
52:I	0.85%	0.10%	0.22%	0.06%	0.24%	0.35%	0.08%	63.87%	0.59%	6.47%	3.28%	1.31%	0.44%	0.03%	1.88%	2.77%	5.79%	9.80%	0.02%	0.03%
53:N	0.69%	0.74%	6.01%	1.38%	0.39%	1.19%	5.61%	3.33%	14.81%	0.69%	0.57%	41.79%	0.67%	0.98%	4.57%	7.09%	6.79%	0.52%	0.07%	2.14%
54:P	3.56%	0.47%	0.15%	0.05%	0.62%	0.25%	1.33%	0.42%	0.02%	3.96%	0.03%	0.16%	74.31%	0.24%	2.69%	6.84%	4.12%	0.59%	0.02%	0.16%
55:N	1.34%	0.84%	14.52%	2.10%	1.03%	1.98%	6.69%	4.54%	8.01%	1.25%	0.49%	35.24%	0.60%	1.30%	5.51%	6.17%	4.67%	1.20%	0.06%	2.46%
56:S	0.79%	5.97%	1.04%	0.14%	0.54%	7.78%	1.08%	3.28%	0.97%	0.46%	0.15%	6.19%	0.72%	0.14%	12.67%	48.36%	8.38%	0.47%	0.28%	0.58%
57:G	6.90%	3.01%	9.45%	1.31%	0.38%	60.51%	0.98%	0.60%	0.13%	0.49%	0.02%	1.15%	0.61%	0.12%	3.93%	6.28%	0.96%	2.47%	0.17%	0.55%
58:G	7.77%	0.82%	14.01%	3.10%	0.17%	61.17%	0.44%	0.27%	0.14%	0.28%	0.02%	0.40%	0.26%	0.08%	3.96%	1.00%	0.45%	5.22%	0.07%	0.38%
59:T	6.23%	0.03%	0.15%	1.35%	0.08%	0.88%	0.04%	4.62%	2.29%	1.08%	0.67%	0.45%	5.37%	0.19%	7.34%	5.79%	62.59%	0.82%	0.01%	0.01%
60:N	0.73%	1.25%	11.90%	2.25%	1.00%	1.14%	10.19%	3.99%	9.02%	1.19%	0.68%	31.94%	0.92%	1.64%	3.28%	6.29%	5.75%	0.87%	0.10%	5.94%
61:Y	0.49%	13.09%	3.43%	0.51%	14.00%	0.63%	7.63%	0.52%	0.40%	3.11%	0.03%	3.50%	1.57%	0.74%	1.35%	16.76%	0.83%	0.38%	0.53%	30.53%
62:X	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
63:X	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
64:Q	0.38%	0.03%	0.63%	7.75%	0.02%	0.70%	3.87%	0.04%	2.78%	4.52%	0.24%	0.18%	3.80%	65.64%	8.12%	0.23%	0.20%	0.50%	0.25%	0.12%
65:K	1.02%	0.05%	1.01%	5.83%	0.06%	1.21%	0.54%	2.43%	48.33%	0.66%	4.13%	0.46%	2.57%	8.99%	2.04%	9.19%	0.65%	0.20%	0.03%	0.12%
66:F	0.59%	4.00%	0.20%	0.02%	53.91%	0.34%	0.17%	4.16%	0.02%	14.34%	0.19%	0.14%	2.04%	0.02%	0.32%	13.23%	1.01%	4.22%	0.20%	0.86%
67:Q	0.68%	0.05%	0.55%	6.61%	0.03%	0.95%	4.16%	0.06%	3.87%	3.47%	0.22%	0.25%	6.82%	63.61%	6.06%	0.59%	0.66%	0.51%	0.76%	0.10%
68:G	7.80%	0.31%	19.35%	0.67%	0.24%	9.80%	0.26%	0.99%	0.13%	0.69%	0.07%	0.77%	0.15%	0.03%	0.85%	0.76%	0.41%	56.56%	0.01%	0.15%
69:R	0.12%	0.31%	0.05%	0.22%	0.02%	7.69%	0.04%	0.24%	1.33%	0.10%	0.35%	0.35%	0.10%	0.10%	79.95%	4.65%	1.33%	0.08%	3.15%	0.02%
70:V	7.72%	0.03%	2.30%	0.30%	0.86%	2.20%	0.04%	3.58%	0.04%	1.95%	0.19%	0.11%	0.18%	0.02%	0.15%	0.24%	0.38%	79.71%	0.00%	0.01%
71:T	9.31%	0.21%	0.27%	0.04%	0.40%	0.45%	0.18%	5.26%	0.23%	0.67%	0.22%	1.68%	6.90%	0.02%	1.41%	8.21%	63.27%	1.18%	0.01%	0.09%
72:M	1.14%	0.01%	0.03%	0.66%	0.24%	0.76%	0.02%	3.63%	5.86%	13.43%	41.84%	0.18%	0.87%	0.58%	10.18%	0.95%	10.71%	8.59%	0.30%	0.00%
73:T	9.99%	0.11%	0.40%	0.04%	0.24%	0.26%	0.21%	6.77%	0.56%	0.46%	0.35%	3.60%	4.77%	0.03%	1.75%	5.15%	64.31%	0.91%	0.01%	0.08%
74:R	0.12%	0.23%	0.06%	0.21%	0.01%	6.76%	0.04%	0.26%	1.43%	0.11%	0.36%	0.30%	0.13%	0.16%	81.61%	4.31%	1.32%	0.08%	2.49%	0.02%
75:D	4.60%	0.09%	67.44%	9.39%	0.07%	5.27%	1.35%	0.34%	0.97%	0.13%	0.03%	3.60%	0.14%	0.37%	0.49%	0.55%	0.43%	4.31%	0.00%	0.44%
76:T	8.65%	0.02%	0.04%	0.59%	0.04%	0.39%	0.01%	0.66%	2.10%	0.91%	3.55%	0.14%	7.39%	0.12%	1.96%	7.30%	64.44%	1.53%	0.15%	0.01%
77:S	4.63%	3.00%	0.13%	0.01%	1.76%	0.10%	0.24%	0.17%	0.01%	0.45%	0.01%	0.14%	8.20%	0.01%	0.24%	76.94%	2.68%	0.18%	0.08%	1.04%
78:I	1.24%	0.34%	0.30%	0.07%	6.62%	0.56%	0.16%	49.28%	0.63%	10.07%	3.96%	1.35%	0.82%	0.06%	2.14%	2.68%	5.89%	13.71%	0.02%	0.11%
79:S	1.17%	2.69%	1.41%	0.41%	0.41%	7.90%	1.56%	3.83%	2.73%	0.77%	0.36%	8.38%	1.03%	0.24%	39.91%	16.81%	8.50%	0.88%	0.30%	0.70%
80:T	6.80%	0.06%	0.15%	1.47%	0.11%	1.06%	0.05%	5.32%	2.71%	1.48%	0.93%	0.47%	5.64%	0.23%	7.72%	6.30%	58.44%	1.01%	0.02%	0.02%
81:A	60.53%	0.11%	7.44%	0.86%	0.34%	6.27%	0.11%	0.96%	0.06%	1.04%	0.10%	0.27%	2.33%	0.02%	0.17%	1.35%	3.51%	14.43%	0.01%	0.09%
82:Y	0.64%	12.87%	5.26%	0.29%	0.60%	0.88%	11.19%	0.36%	0.60%	2.07%	0.02%	5.46%	1.53%	0.61%	1.62%	12.17%	0.98%	0.27%	0.27%	36.93%
83:M	1.10%	0.07%	0.06%	0.59%	0.50%	1.32%	0.03%	10.20%	2.10%	14.84%	34.40%	0.26%	0.70%	0.22%	15.08%	2.14%	6.29%	9.52%	0.54%	0.01%
84:E	4.09%	0.05%	19.52%	51.86%	0.04%	9.26%	0.84%	0.25%	4.84%	0.30%	0.24%	1.60%	0.30%	2.53%	1.09%	0.46%	0.79%	1.68%	0.04%	0.21%
85:L	1.30%	0.07%	0.06%	0.91%	1.68%	0.88%	0.10%	1.21%	0.60%	61.11%	6.62%	0.04%	2.52%	1.09%	1.75%	2.57%	0.89%	15.36%	1.21%	0.02%
86:S	0.78%	1.39%	1.60%	0.43%	0.21%	4.66%	0.87%	4.61%	5.03%	0.55%	0.68%	5.77%	0.49%	0.25%	43.61%	20.07%	5.42%	3.17%	0.21%	0.21%
87:R	0.16%	1.32%	0.13%	0.28%	0.03%	10.04%	0.07%	0.47%	1.21%	0.13%	0.30%	0.68%	0.13%	0.11%	64.16%	17.41%	1.24%	0.14%	1.94%	0.04%
88:L	0.15%	0.01%	0.01%	0.11%	0.29%	0.10%	0.17%	0.23%	0.06%	87.07%	0.76%	0.01%	4.31%	1.95%	1.96%	0.32%	0.11%	2.23%	0.14%	0.00%
89:R	1.05%	0.06%	0.36%	1.81%	0.04%	4.99%	0.17%	2.87%	12.72%	0.39%	0.52%	2.59%	0.68%	0.71%	58.86%	2.52%	9.12%	0.41%	0.10%	0.03%
90:S	1.41%	11.42%	0.39%	0.05%	11.86%	1.43%	0.69%	0.88%	0.02%	3.25%	0.02%	0.42%	4.81%	0.07%	2.91%	54.58%	1.80%	0.91%	0.44%	2.65%
91:D	4.92%	0.14%	76.94%	2.16%	0.07%	9.23%	1.15%	0.70%	0.22%	0.08%	0.01%	1.10%	0.11%	0.11%	0.16%	0.31%	0.20%	2.40%	0.00%	0.61%
92:D	7.96%	0.13%	60.42%	9.26%	0.07%	11.77%	2.09%	0.20%	0.48%	0.24%	0.01%	1.59%	0.34%	0.46%	0.58%	0.50%	0.49%	2.65%	0.00%	0.53%
93:T	9.39%	0.01%	0.02%	0.52%	0.01%	0.35%	0.01%	2.01%	2.01%	0.62%	2.41%	0.19%	7.69%	0.15%	2.13%	7.27%	65.78%	1.20%	0.18%	0.00%
94:A	72.01%	0.04%	1.40%	0.09%	0.07%	1.89%	0.06%	0.51%	0.02%	0.17%	0.02%	0.21%	5.31%	0.00%	0.09%	3.17%	11.23%	3.70%	0.00%	0.02%
95:V	5.78%	0.05%	1.62%	4.16%	1.42%	3.35%	0.16%	5.56%	0.55%	14.12%	4.21%	0.17%	1.45%	0.49%	0.91%	0.69%	1.97%	53.27%	0.04%	0.03%
96:Y	0.68%	11.99%	4.94%	0.43%	13.15%	0.68%	9.22%	0.85%	0.50%	2.77%	0.03%	6.15%	1.62%	0.91%	1.44%	16.52%	1.14%	0.61%	0.52%	25.87%
97:Y	0.77%	11.80%	8.12%	0.30%	9.74%	1.12%	11.68%	0.42%	0.76%	3.24%	0.06%	3.91%	1.17%	1.30%	1.64%	9.21%	0.54%	0.65%	0.74%	32.82%
98:C	0.31%	58.30%	0.54%	0.04%	6.07%	2.21%	1.04%	0.16%	0.03%	1.12%	0.01%	0.43%	0.96%	0.06%	4.60%	13.51%	0.31%	0.15%	3.79%	6.44%
99:A	76.49%	0.01%	0.21%	2.55%	0.03%	1.51%	0.01%	0.09%	0.16%	0.80%	0.42%	0.02%	4.00%	0.12%	0.31%	2.70%	5.33%	5.13%	0.11%	0.00%
100:R	0.23%	0.17%	0.06%	0.49%	0.02%	14.05%	0.06%	0.66%	1.85%	0.11%	0.14%	0.52%	0.26%	0.19%	73.51%	5.75%	1.68%	0.09%	0.17%	0.01%
101:Q	0.11%	0.01%	0.15%	1.44%	0.01%	0.17%	4.03%	0.02%	1.05%	5.13%	0.07%	0.23%	4.07%	74.30%	8.59%	0.17%	0.10%	0.12%	0.14%	0.07%
102:K	1.18%	0.06%	1.47%	3.80%	0.06%	1.25%	0.75%	4.21%	38.30%	0.36%	0.85%	16.65%	0.61%	1.86%	12.95%	3.05%	12.03%	0.33%	0.03%	0.20%
103:Y	0.53%	11.08%	6.33%	0.42%	13.89%	0.87%	8.48%	0.85%	0.45%	3.53%	0.05%	4.00%	1.50%	1.83%	1.93%	14.73%	1.07%	0.71%	0.40%	27.35%
104:C	1.04%	32.64%	1.44%	0.25%	12.80%	2.45%	2.68%	0.36%	0.10%	3.56%	0.03%	0.97%	1.38%	0.24%	4.01%	19.04%	0.59%	0.58%	5.80%	10.06%
105:T	9.93%	1.35%	1.61%	0.30%	3.14%	1.77%	0.83%	11.77%	1.08%	3.30%	0.57%	6.06%	6.71%	0.16%	1.56%	14.30%	31.85%	3.14%	0.08%	0.50%
106:G	6.06%	1.86%	9.82%	1.30%	0.30%	65.13%	0.90%	0.53%	0.14%	0.35%	0.01%	1.05%	0.87%	0.12%	2.56%	4.44%	1.34%	2.68%	0.09%	0.45%
107:G	1.72%	1.82%	3.75%	0.22%	0.04%	87.05%	0.13%	0.06%	0.02%	0.05%	0.00%	0.06%	0.01%	0.01%	1.69%	1.96%	0.11%	1.01%	0.07%	0.19%
108:Q	0.09%	0.04%	0.20%	0.87%	0.03%	0.09%	22.51%	0.06%	0.59%	4.20%	0.02%	0.34%	9.64%	52.07%	8.56%	0.18%	0.21%	0.08%	0.01%	0.22%
109:G	13.33%	0.47%	31.96%	0.73%	0.12%	40.76%	0.55%	0.24%	0.12%	0.23%	0.03%	0.69%	0.28%	0.05%	0.79%	1.05%	0.57%	7.73%	0.03%	0.26%
110:W	0.16%	15.90%	0.20%	0.13%	1.27%	3.31%	0.48%	0.05%	0.10%	1.71%	0.04%	0.20%	0.45%	0.23%	7.21%	4.03%	0.13%	0.09%	61.38%	2.90%
111:Y	0.77%	10.82%	9.97%	0.54%	6.04%	1.18%	9.20%	1.22%	2.30%	2.71%	0.14%	13.32%	1.64%	0.56%	2.14%	8.70%	1.88%	0.61%	0.73%	25.54%
112:F	0.22%	3.85%	0.10%	0.01%	53.57%	0.29%	0.26%	1.73%	0.01%	28.32%	0.15%	0.08%	1.14%	0.04%	0.59%	5.41%	0.16%	2.80%	0.22%	1.04%
113:D	3.90%	0.67%	48.87%	4.93%	0.56%	9.02%	10.07%	0.91%	0.48%	0.93%	0.03%	8.07%	1.18%	0.72%	1.46%	2.30%	1.81%	1.82%	0.01%	2.27%
114:L	0.74%	0.28%	0.23%	0.03%	6.87%	0.31%	1.44%	1.76%	0.02%	69.15%	0.26%	0.07%	5.08%	0.22%	2.26%	0.61%	0.24%	10.27%	0.03%	0.13%
115:W	0.04%	1.17%	0.01%	0.08%	0.05%	4.68%	0.02%	0.00%	0.02%	1.13%	0.02%	0.01%	0.09%	0.05%	10.63%	1.24%	0.03%	0.03%	80.64%	0.03%
116:G	1.93%	0.59%	3.53%	0.15%	0.01%	90.10%	0.06%	0.05%	0.02%	0.02%	0.00%	0.15%	0.03%	0.01%	1.04%	0.85%	0.08%	1.31%	0.04%	0.03%
117:R	0.05%	1.17%	0.08%	0.02%	0.13%	0.45%	9.89%	0.06%	0.02%	4.63%	0.00%	0.13%	11.20%	1.60%	69.12%	1.02%	0.18%	0.05%	0.06%	0.13%
118:G	7.83%	0.83%	14.04%	3.11%	0.17%	60.69%	0.47%	0.26%	0.14%	0.29%	0.02%	0.40%	0.26%	0.08%	3.91%	1.02%	0.45%	5.57%	0.07%	0.36%
119:T	8.95%	0.38%	0.93%	0.08%	0.52%	1.01%	0.26%	4.96%	0.50%	0.58%	0.42%	2.87%	5.25%	0.03%	0.67%	10.92%	59.49%	2.02%	0.01%	0.19%
120:L	0.19%	0.01%	0.01%	0.12%	0.18%	0.19%	0.19%	0.17%	0.04%	68.09%	1.02%	0.06%	5.87%	2.29%	18.70%	0.33%	0.14%	2.23%	0.22%	0.00%
121:V	7.60%	0.05%	2.26%	0.31%	1.39%	2.13%	0.05%	5.03%	0.04%	3.65%	0.29%	0.11%	0.26%	0.01%	0.17%	0.26%	0.45%	75.92%	0.01%	0.02%
122:T	5.83%	0.57%	0.43%	0.10%	0.57%	1.11%	0.27%	5.22%	0.25%	0.62%	0.19%	2.85%	7.77%	0.03%	1.12%	15.70%	56.04%	1.17%	0.01%	0.14%
123:V	7.44%	0.05%	2.73%	0.22%	1.10%	3.54%	0.05%	1.73%	0.02%	2.81%	0.24%	0.05%	0.21%	0.01%	0.07%	0.18%	0.28%	79.24%	0.01%	0.03%
124:S	4.08%	2.36%	0.18%	0.01%	2.65%	0.18%	0.39%	0.13%	0.02%	1.40%	0.01%	0.17%	10.90%	0.01%	0.32%	73.13%	1.79%	0.35%	0.33%	1.60%
125:S	2.02%	0.85%	0.05%	0.11%	1.41%	0.17%	0.14%	0.21%	0.08%	8.29%	0.02%	0.05%	6.85%	0.39%	0.57%	75.87%	1.51%	0.22%	0.43%	0.77%